

CLAIMS APPENDIX

1-15 (canceled)

16. (currently amended) ~~The microarray of polypeptides according to Claim 10, A~~  
microarray of discrete polypeptides on a slide, wherein each polypeptide is of at least 50 amino acids in length, wherein said microarray comprises 1000 or more discrete regions of distinct polypeptide per cm<sup>2</sup> of slide wherein discrete regions have a diameter of from 20 to 200  $\mu$ m, produced by the method of:

(a) loading an aqueous solution of a selected polypeptide of at least 50 amino acids in length in a reagent-dispensing device having an elongate capillary channel adapted to hold a quantity of the reagent solution and having a tip region at which the solution in the channel forms a meniscus,

(b) tapping the tip of the dispensing device against a surface of a planar solid support at a defined position, with an impulse effective to break the meniscus in the capillary channel and deposit a selected volume between 0.002 and 2 nl of solution on the surface of the planar solid support, wherein said planar solid support comprises a cationic film which binds said polypeptide, and

(c) repeating steps (a) and (b) until said microarray is formed..

17-35 (canceled)

36. (currently amended) ~~The microarray of polypeptides according to Claim 31, A~~  
microarray of discrete polypeptides on a slide, wherein each polypeptide is of at least 50 amino acids in length and wherein said microarray comprises 1000 or more discrete regions of distinct polypeptide per cm<sup>2</sup> of slide, and wherein discrete regions have a diameter of from 20 to 200  $\mu$ m, wherein said slide comprises a cationic film which binds said polypeptide.

37 (canceled)